

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-20LXXKMDE1-RD4FMWSO-FACY2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

 [TESTLAB] Photopia 2015.1.1 see: www.ltiopics.com/ies

[ISSUEDATE]

[TESTDATE] Thu May 12 2016

[UPDATE] Thu Jun 9 2016

[TEST] SP-00480_12_M-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-20L-xxK-MD-E1-RD4F-MW-SO-FACY2

[LUMINAIRE] 4" aperture recessed LED downlight w/ 2"H Frosted Clear Acrylic Cylinder Element

[OTHER] Medium Beam upper reflector, regressed Solite lens, Matte White lower cone

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] LEDXT lumen output is the same for all available color temperatures

[OTHER] This report prepared by Spectrum Lighting, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1206
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.60
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.60
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.33 ft (Diameter)
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.17 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12783	12807	12640
55	9892	9957	9841
65	7445	7567	7693
75	6063	6048	5805
85	4588	4680	4672

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-20LXXKMDE1-RD4FMWSO-FACY2.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2095.180	2095.180	2095.180	2095.180	2095.180
5	1987.862	1963.367	1976.318	1962.640	1967.440
10	1692.583	1686.926	1687.970	1687.497	1703.763
15	1303.597	1310.558	1311.493	1319.250	1313.099
20	836.951	841.928	841.351	842.151	835.787
25	465.129	465.420	469.893	462.230	465.062
30	286.364	287.398	288.463	283.808	287.107
35	195.961	195.207	194.828	193.192	193.109
40	146.546	146.213	147.138	146.120	146.359
45	120.046	120.856	120.269	119.345	118.706
50	105.594	102.788	102.508	104.388	102.300
55	87.905	87.208	88.481	89.671	87.447
60	73.914	73.078	73.416	73.369	73.166
65	60.392	61.052	61.384	61.207	62.402
70	52.807	52.682	51.108	51.919	51.166
75	42.989	42.838	42.885	43.300	41.160
80	34.199	34.988	34.791	34.542	34.968
85	26.858	27.824	27.393	27.388	27.346
90	23.455	22.313	22.988	22.458	22.692

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Zone	Lumens	%Lamp	%Fixt
0-20	535.07	N.A.	44.40
0-30	767.25	N.A.	63.60
0-40	894.97	N.A.	74.20
0-60	1068.47	N.A.	88.60
0-80	1175.34	N.A.	97.50
0-90	1205.96	N.A.	100.00
10-90	1026.43	N.A.	85.10
20-40	359.90	N.A.	29.80
20-50	454.37	N.A.	37.70
40-70	234.88	N.A.	19.50
60-80	106.87	N.A.	8.90
70-80	45.49	N.A.	3.80
80-90	30.62	N.A.	2.50
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1205.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	179.53
10-20	355.54
20-30	232.19
30-40	127.72
40-50	94.47
50-60	79.03
60-70	61.38
70-80	45.49
80-90	30.62
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

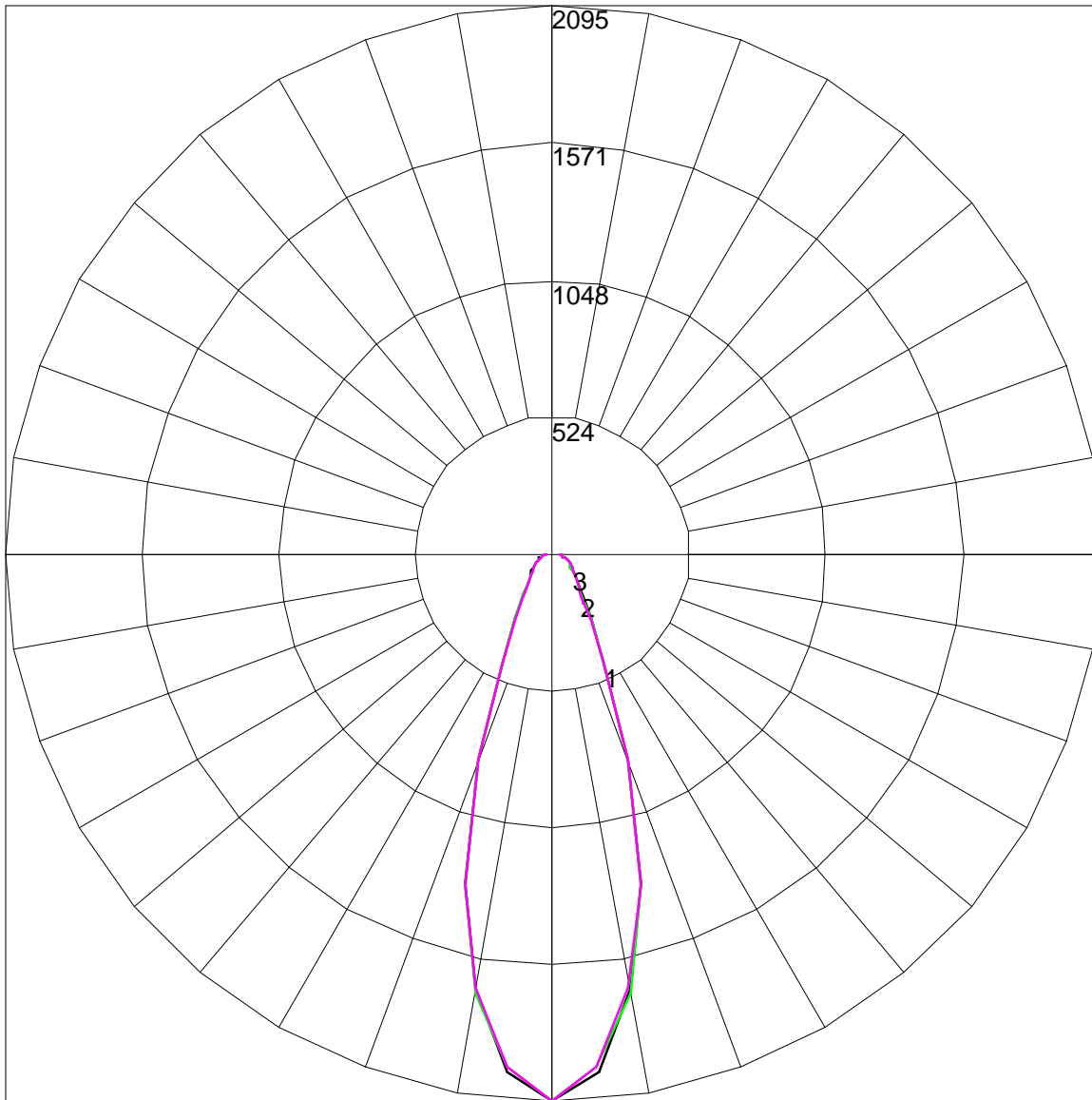
Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59
7	80	70	63	59	78	69	63	58	68	62	58	66	61	58	65	61	57	56
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48

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POLAR GRAPH



Maximum Candela = 2095.18 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)